DevOps: Using Vagrant To Enhance Your Day to Day Development



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Who am 1?

- Developer at Puppet Labs
- Core FOSS Platform Team we maintain Puppet,
 Facter, Hiera, etc
- Author of Chocolatey
- Co-author of Chuck Norris Framework (RoundhousE, DropkicK, UppercuT, etc)



What is Vagrant?

Vagrant is a tool for building complete development environments. With an easy-to-use workflow and focus on automation, Vagrant lowers development environment setup time, increases development/ production parity, and makes the "works on my machine" excuse a relic of the past.







Wait, Wat? Vagrant?

- Vagrant allows for
 - repeatable sandboxed environments
 - shareable
 - works on every machine





Vagrant is AWESOME

- Development environments are scripts, so source control
- Share with friends, family, perhaps coworkers
- Works on OSX, Windows, and most *nix flavors.
- Simple configuration
- Vagrant Up







Simple Commands

- vagrant up
- vagrant ssh
- vagrant rdp (1.6+)
- vagrant halt
- vagrant reload
- vagrant destroy



Vagrant Providers

- Virtualbox (builtin)
- Hyper-V (vagrant-windows-hyperv)
- VMWare (vagrant-vmware-fusion / vagrant-vmwaredesktop)
- Azure (vagrant-azure)
- AWS (vagrant-aws)
- More at https://bit.ly/vagrant-plugins
- Build a custom provider



Vagrant Plugin Ecosystem

- sahara (snapshot) sandbox in a sandbox
- vagrant-global-status (in 1.6+)
- vagrant-windows (deprecated as of 1.6+)
- vagrant-reload
- vagrant-oscar
- vagrant-rdp (deprecated at 1.6.1+)
- Much more https://bit.ly/vagrant-plugins



Vagrant Cloud

- Box Distribution
- Discover
- Share
- Box versioning
- https://vagrantcloud.com/





Create and Manage Virtualized Development Environments



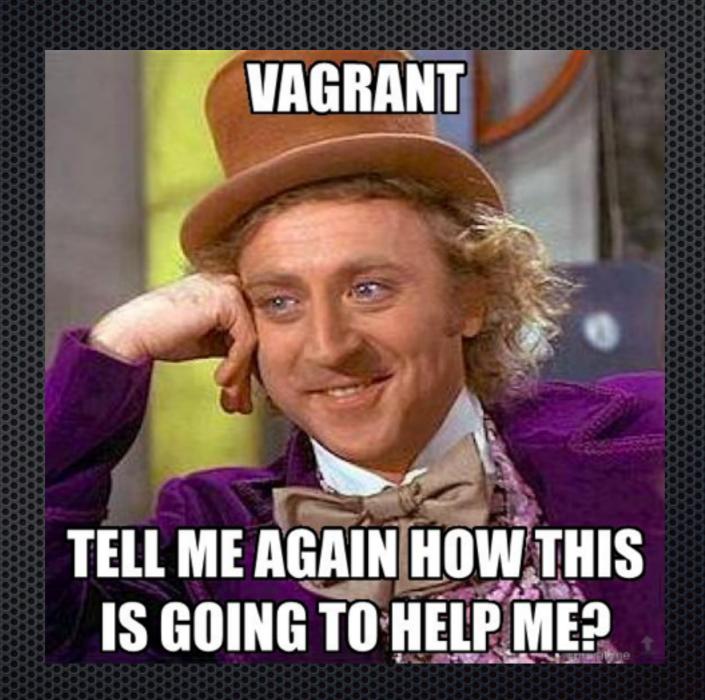
Up and Running

O'REILLY°

Mitchell Hashimoto



How can Vagrant help me?





Developer?

- Isolates dependencies & configuration
- All members of team get their own sandbox
- "Works on their machine?" == Works on your machine
- Keep your tools and versions separate from testing needs



QA?

- No need to find a physical box.
- Known starting point EVERY time.
- Test on multiple OS platforms and versions with a single command



Ops?

- Disposable environment for testing infrastructure changes
- You can take these same scripts and config and test against AWS, Azure, RackSpace with the same workflow
- Sanity



Demos





Questions?

- @ferventcoder / ferventcoder at gmail
- **▼** Official Talks
- #vagrant on freenode IRC
- http://www.vagrantup.com
- http://docs.vagrantup.com

